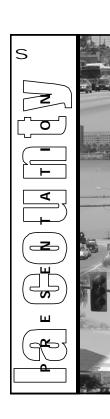


Atlantic Boulevard /
I-710 Corridor
Advanced Traffic
Management System
Improvement Project

GATEWAY CITIES PUBLIC WORKS OFFICERS TRAFFIC SIGNALSYNCHRONIZATION SUBCOMMITTEE

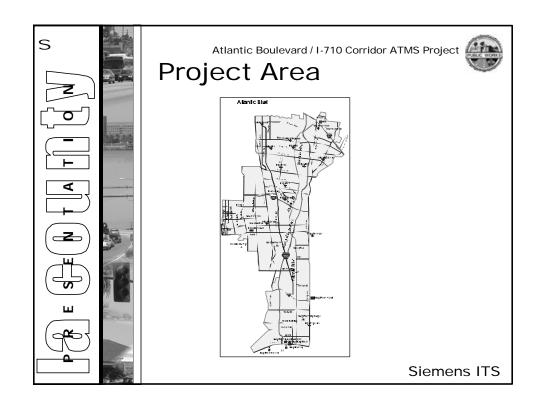
July 15, 2004

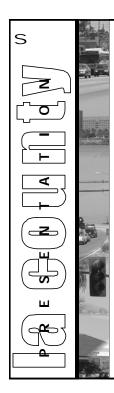




Agenda

- Project Background
- Project Area
- Project Objectives
- Project Components
- Future Operations
- Early Deployment
- Schedule



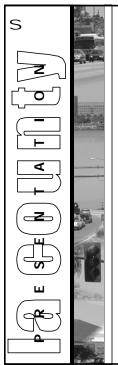




Project Objectives

- Provide full access to an ATMS to all agencies in the corridor for monitoring and control of their signals
- Ability to synchronize signals across jurisdictional boundaries
- Allow for exchange of real-time traffic information

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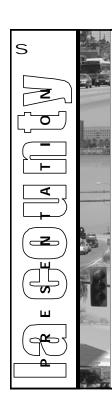


Atlantic Boulevard / I-710 Corridor ATMS Project



Project Elements

- ATMS(s) for local signal control and monitoring
 - Traffic Control Systems
 - System Detection
 - Closed Circuit Television Cameras
- Establishment of Local Control Centers at each jurisdiction
- Integration with IEN
- Communications (for both data and video)
 - Field to Center (intersections to LCC)
 - Center to Center (LCC to County TMC)

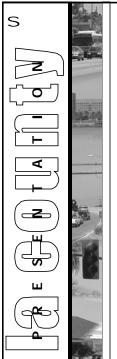




Project Issues

- Integration with on-going Gateway Cities Projects
- Communications
- Impact on Partner Agencies
- Schedule
- Early Deployment

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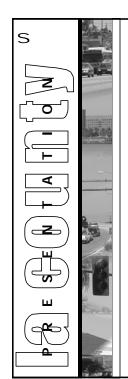


Atlantic Boulevard / I-710 Corridor ATMS Project



Traffic Control System

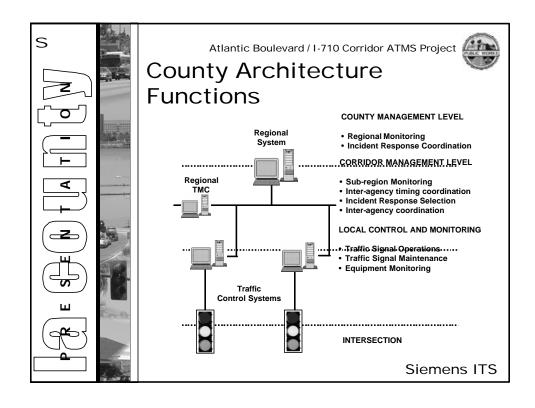
- Local monitoring and control of intersections
- Upload download of timing plan parameters
- Status of controllers, detection and communications systems
- Alarms for equipment malfunction

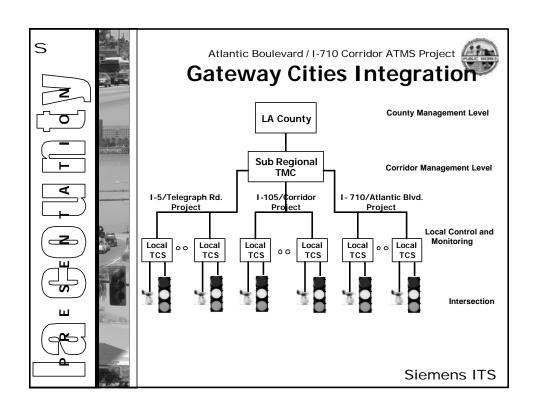


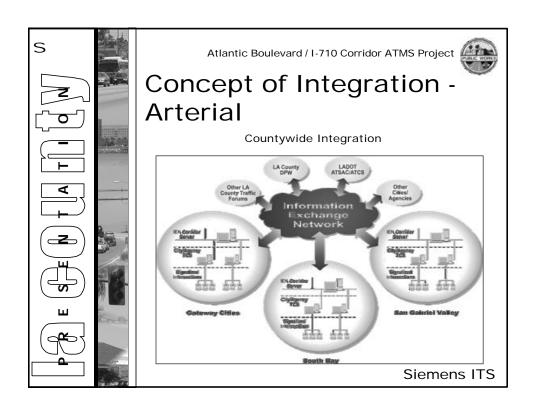


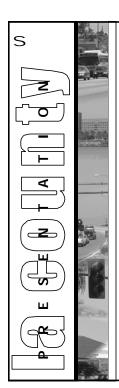
Information Exchange System (IEN)

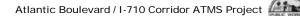
- Regional monitoring of intersections and traffic data
- Regional operations download of pre-approved timing plans during special conditions







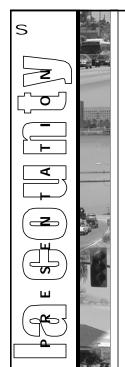




Summary of Forum Affiliation and TCS Information for Agencies in the Project Area

Atlantic Blvd. / I-710 Corridor Agency	Part of I- 105 Corridor Project	Part of I-5 / Telegraph Road Corridor Project	Existing TCS	Type of Controllers	Signals Maintained By County
Bell	,	,	3	Type 170	County
Bell Gardens				NEMA	County
Commerce		Х	To be upgraded to QuicNet IV	Type 170	Contractor
Compton	Χ			NEMA	City
Cudahy				Type 170	PEEK
Huntington Park				Traconex, Type 170	City
Long Beach			QuicNet IV	Type 170	City
Lynwood	Χ			Type 170	City
Maywood				Type 170	PEEK
Paramount	Χ			Type 170	Santa Fe Springs
Signal Hill				Type 170	Long Beach
South Gate	X		i2TMS	NEMA	City
Vernon			ARIES	NEMA	PEEK

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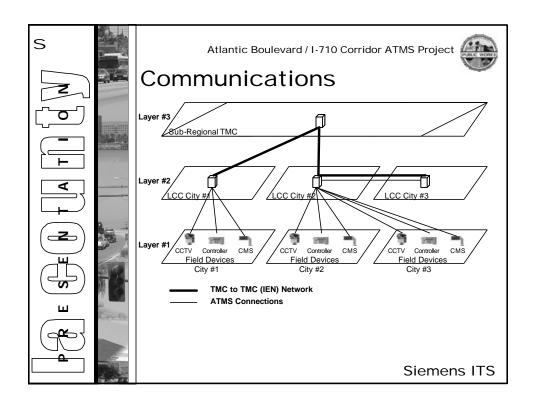


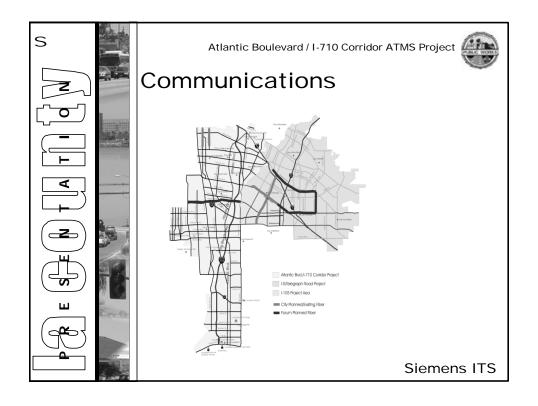
Atlantic Boulevard / I-710 Corridor ATMS Project

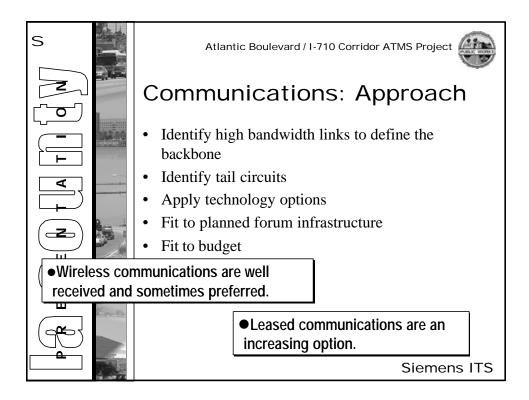


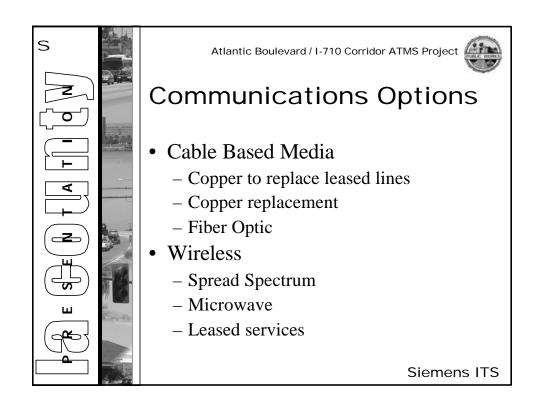
Intersection Upgrade Options (examples)

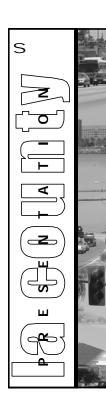
- Controllers
 - NEMA
 - 170
- Detection
 - Loop
 - Video
 - Radar









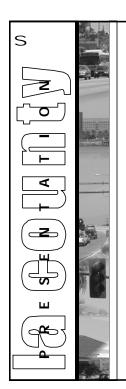




Future Operations

- System Operations
 - Signal Timing
 - Inter-agency Coordination
 - Special Event Management
 - Incident Response
- System Management
 - Equipment Monitoring
 - Back-ups
 - Upgrades

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Atlantic Boulevard / I-710 Corridor ATMS Project



Early Deployment Strategy

